

Figure 1

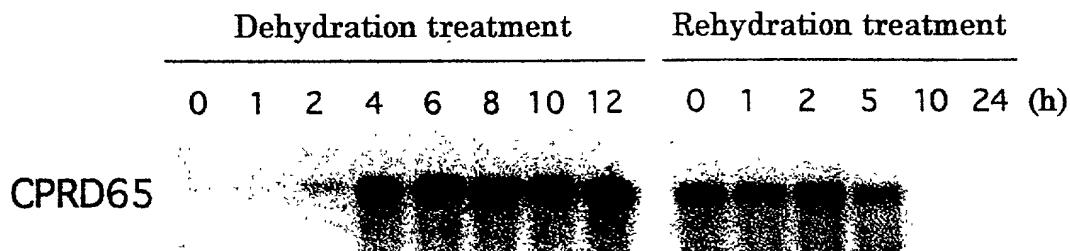


Figure 2

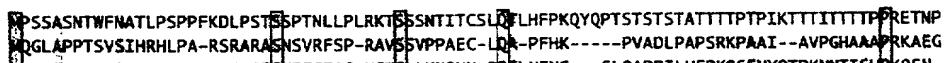
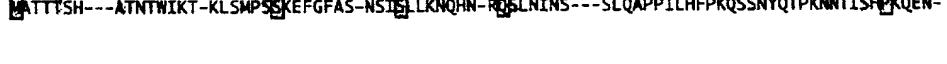
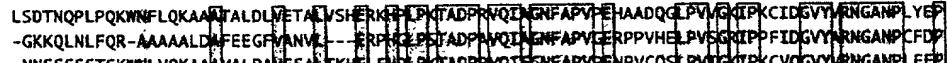
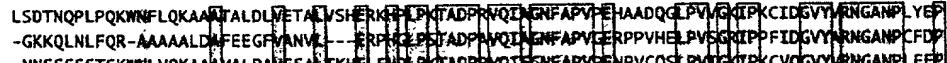
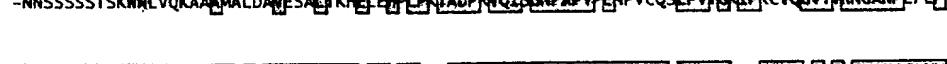
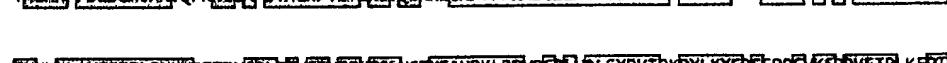
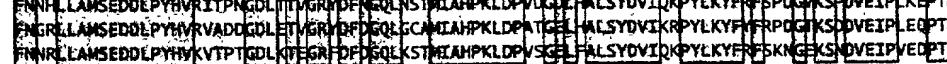
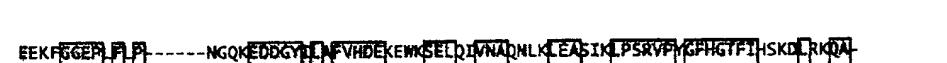
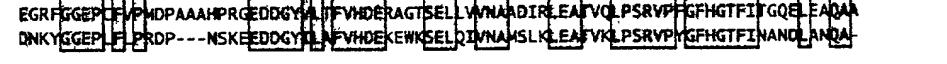
CPRD65		90
VP14		79
LeNCED1		80
CPRD65		180
VP14		164
LeNCED1		169
CPRD65		269
VP14		254
LeNCED1		258
CPRD65		359
VP14		344
LeNCED1		348
CPRD65		449
VP14		434
LeNCED1		438
CPRD65		538
VP14		523
LeNCED1		528
CPRD65		612
VP14		604
LeNCED1		605

Figure 3

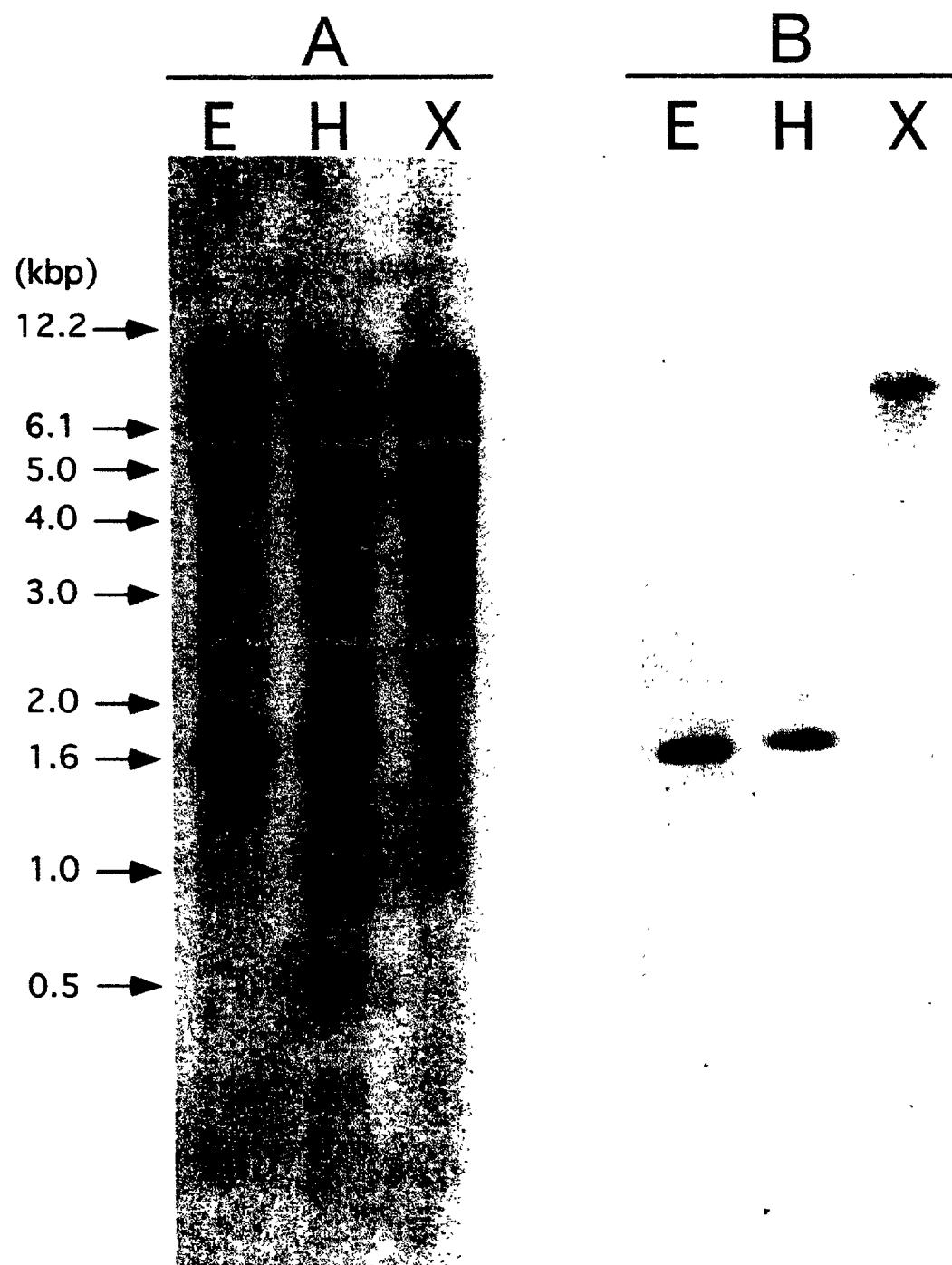


Figure 4

(A)

0 1 2 5 10 24 (h)

NaCl



ABA



Water



Heat



Cold



(B)

Treating time

0

10

R S L

R S L

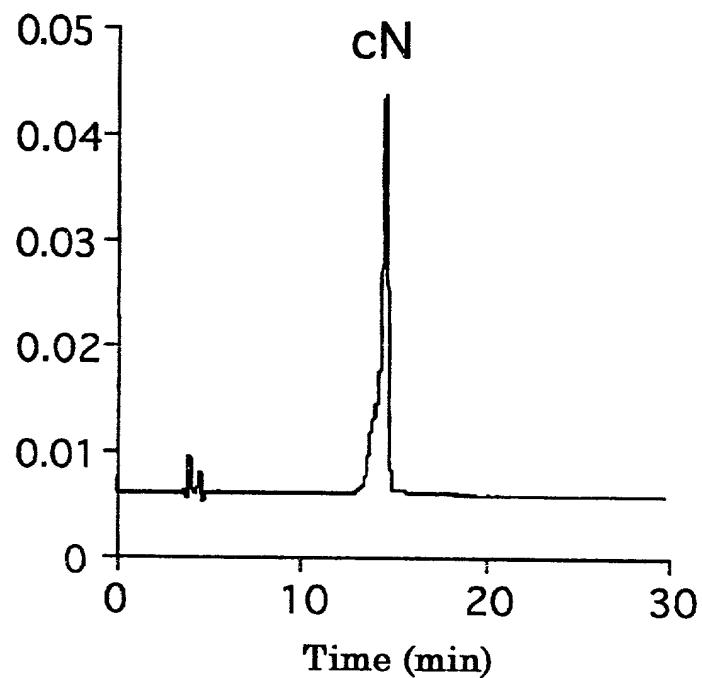
Tissue



4 / 15

Figure 5

(A)



(B)

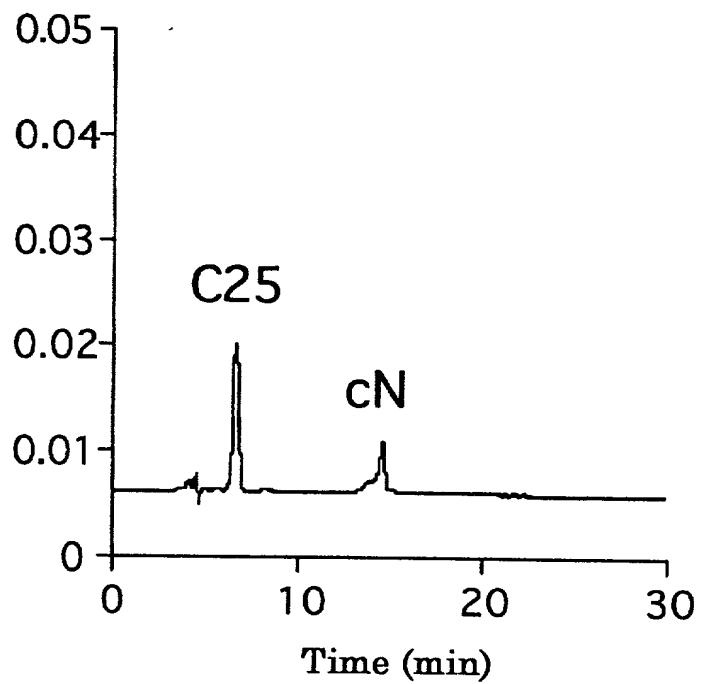


Figure 6

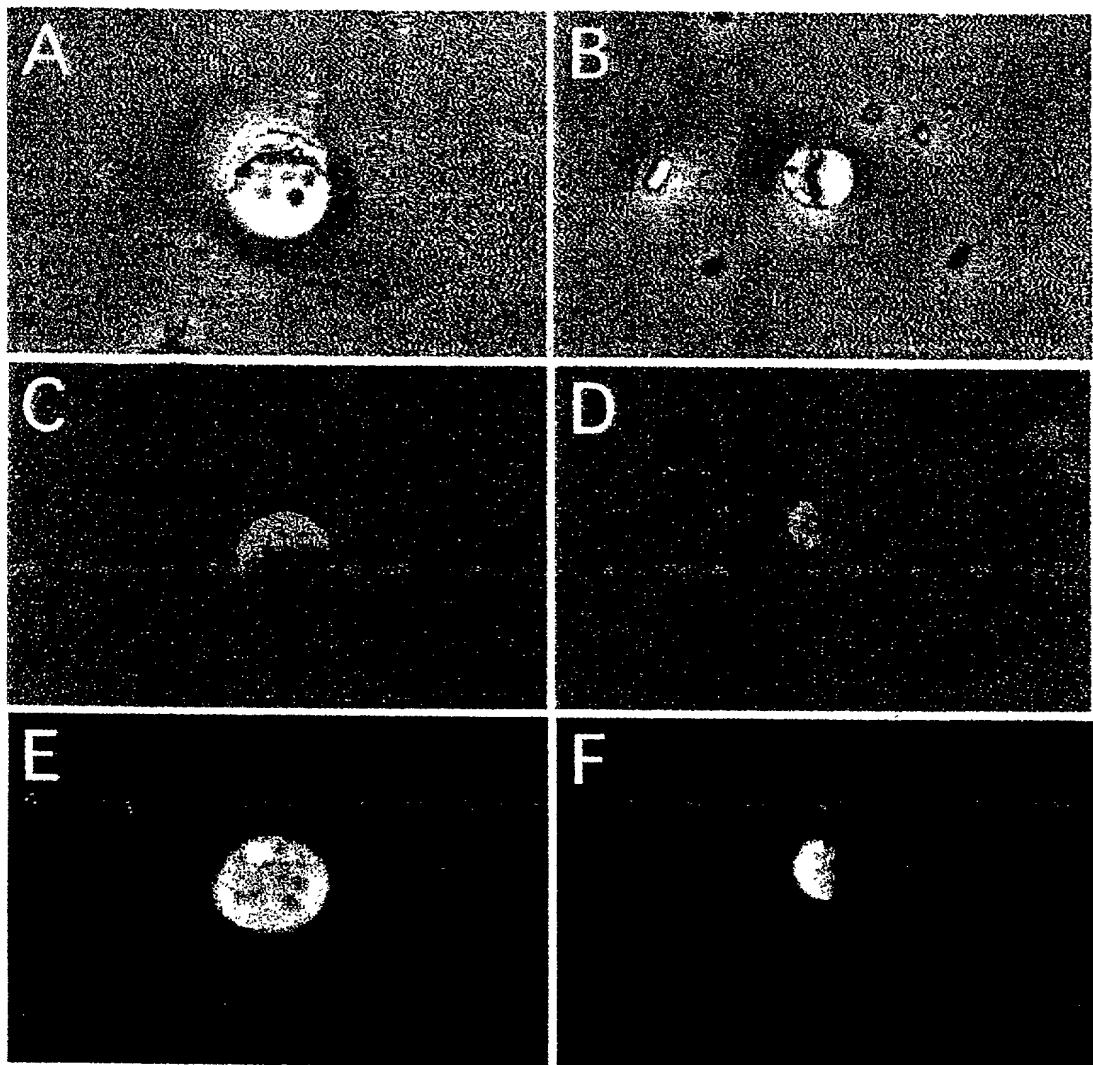


Figure 7

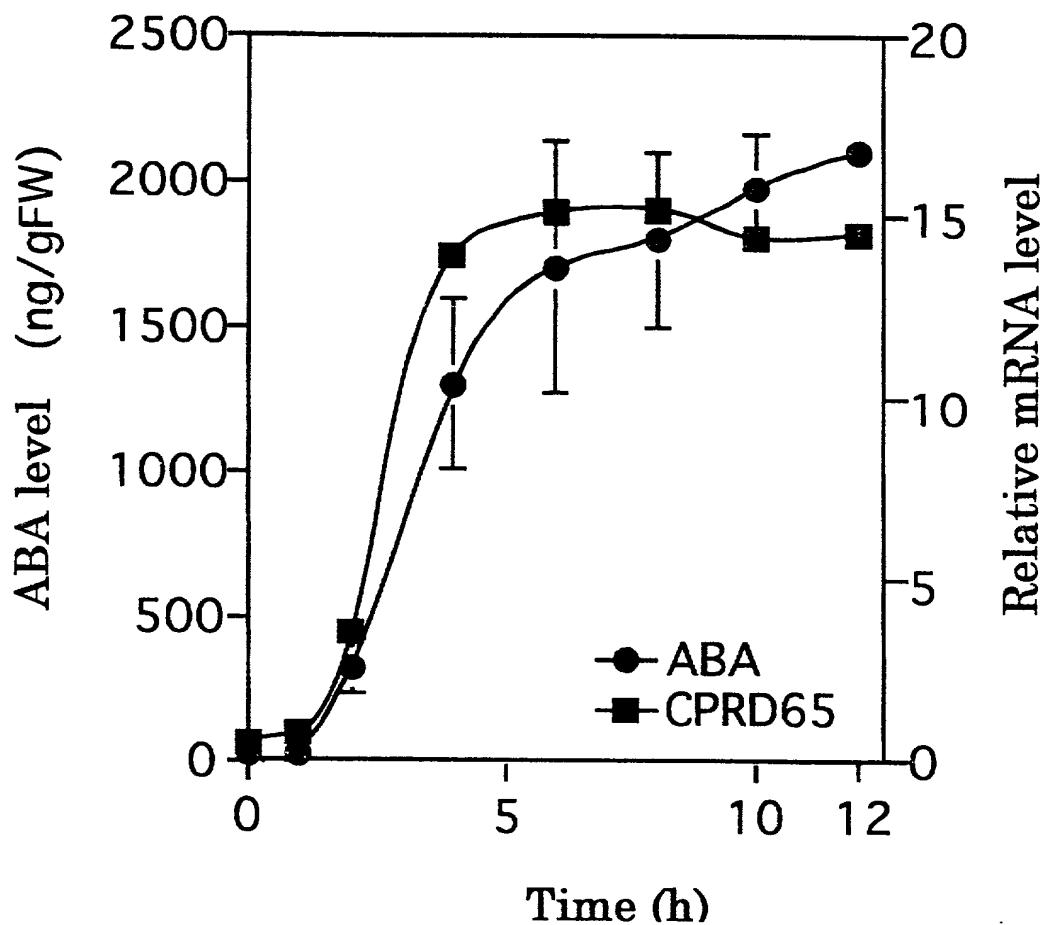


Figure 8

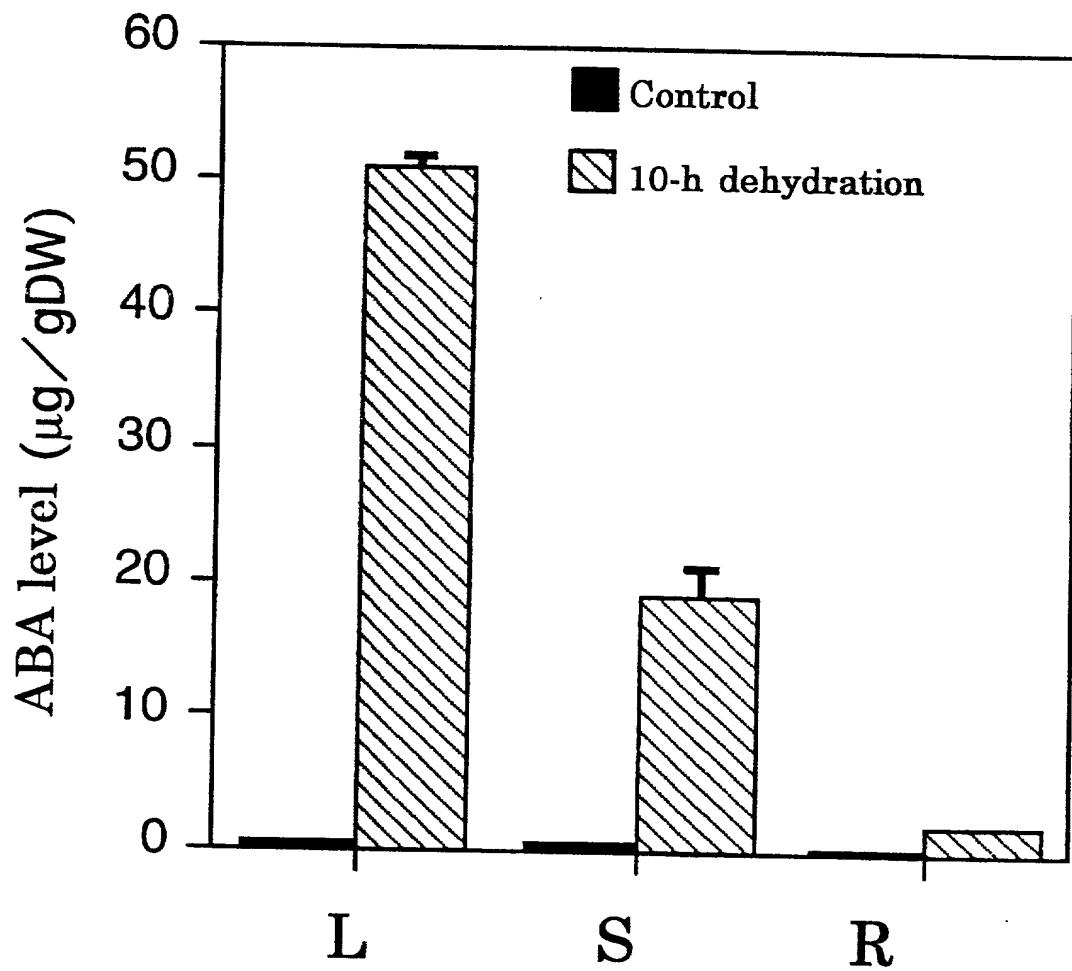


Figure 9

AtNCED3	MHS-----FIATAAVSG-RWLGNHTQP--PLSSQSSDLSYCS--SL--PMASRVTRKLNVSSALHTPPALH	61
CPRD65	MPSSASNTWFNATPSPPFKDLPSSTSSPTNLLPLRKTSNTITCSQTLHFPKQYQPTSTSTSTATTTTPPIK	75
AtNCED3	FPKQSSNSPAIVVKP--KAKESNTKOMNLHQAAAALDAAEGLVVSHEKLHPLPKTADPQVQIAGNFAPVNEQP	134
CPRD65	TTTTTTTIPPRETNPLSDTNQPLPKWNFLQAAATLDLVEATALVSHERKHPLPKTADPQVQIAGNFAPVREHA	150
AtNCED3	VRRNLPVVGKIPDSTKGVYVRNGANPLKEPVIGHFFDGDGMVHAVKFEHGSASYACRFTTINRFVQEROLGRPV	209
CPRD65	ADQGLPVVGKIPKCIDGVYVRNGANPLKEPVIGHFFDGDGMVHAVKFTNGASASYACRFTETRISQEKSLSGRPV	225
AtNCED3	FPKAIGELHGHGIGIARLILFYARAAAGLVDPAHGIVGANAGLVYFNGRILLAMSEDDLPYVITIPNGDLITVGRF	284
CPRD65	FPKAIGELHGHGIGIARLILFYARSLFGIVDGSGQHIVGANAGLVYFNGRILLAMSEDDLPYVITIPNGDLITVGRY	300
AtNCED3	DFNGQLESTMIAHPKIDPESGELIALSYDVVKSPYLYKFRFSPDGKSPDVEITLDQPTMMIDFAITENFVVVPD	359
CPRD65	DFNGQLNSTMIAHPKIDPVDGELIALSYDVVKSPYLYKFRFSPDGKSPDVEITLKEPTAMIDFAITENFVVVPD	375
AtNCED3	QQWFKLPEMIGGSPVYDKNKVARFGILDKIAEDSSNIKWIADAPDCFCFHLLNAWEEPETHEVVVIGSCMTPP	434
CPRD65	QQWFKLPEMIGGSPVYDKNKTSRFGILDKNAKDNAMRWIADAPDCFCFHLLNAWEEPETHEVVVIGSCMTPA	450
AtNCED3	DSIFNESDENLKSVLSEIRLNLTGESTRRPIISNEDQVNLEAGAVNRMLGRKTIFAYLALAEPWPKVSGFAK	509
CPRD65	DSIFNECEERLKSVLSEIRLNLTGESTRRPIISDARQVNLEAGAVNRMLGRKTIFAYLALAEPWPKVSGFAK	524
AtNCED3	VDEITGEVKKHLYGDNRYGGEPLFLPGEGBEDEGYILFVHDEKPKSELQIVNAVSLEVEATVKLPSRVPYGF	584
CPRD65	VDLSGEVKKMYGEEKPGGEPLFLP-NGQMEDQGYILFVHDEKPKSELQIVNAONLKEASIKLPSRVPYGF	598
AtNCED3	HGTFIGADDLHKQV	599
CPRD65	HGTFIGHSKDLHKQA-	612

Figure 10

AtNCED1	MWSL-LTMMPS----GGTKTWPO--AQ-IDLG-F-RPIKROPKV----IKCTVQIDVTELTKKROLFTPRTTAT	60
AtNCED2	MOSVSSSSFLS----STFSLHHS--LLRRRSSLPTTLLRINSAW----EERSPLNPSDNNDRRNPKTLHIRT	64
AtNCED3	MASFTATAAVSGRMLGGNHTOPPLSSQSSDLSYCSSSLPMASRVTRKLNVSSALHTPPNLHFPQSSNSPAJWK	75
AtNCED4	MA-----EKLSDGS-----IISVHPRPS-----	19
AtNCED5	MHSLRSDLPLTKTSPRSHLLPQPKNANISRRILINPKIPTLPDLTSPVPSVKKPTYPNINLLQKLAATMLD	75
AtNCED1	P--POHNPRLNNTPOKAAATAIDAAERALISHEQDPLPKTADPRVQIAGNYSVPVPESSVRRNL-TVEGIDPCT	132
AtNCED2	NHTLVSSSPKLRPBMNTLATALFTTIVEDINTFIDPPSRP-SVDPKHLSDNFAPVLDLPPTCEDIIHGLPLSL	138
AtNCED3	PIAKESNTKQMLFQRAAAAALDAAEGLFLVSKELHPLPKTADPSVQIAGNFSVPVNEQPVRRNL-PAVGLPDSI	149
AtNCED4	KGF--SSKLLDLLERLWKLMDASLPLHY----LSGNFAPIDETPPV/KDLPVHGFPECL	75
AtNCED5	KIESSIVIPMEQNRLPKPTDPAVQLSGNFAPIVNECPVQNG-----LEAVGQIPSC	127
AtNCED1	DGTYTNGNAPHEPTAGH-LFDGDMWAVKIC-NGSASYACRFTNTERLWKEKLRGRPVFKAIIGELHG-G	205
AtNCED2	NGAYTNGNHPDFLPRCPYHJFDGDMWAVKIC-NGKATLCSRWTYKYMEXKOTGAPWPMV/FSGFNG/TAS	212
AtNCED3	KGIVYANGNAPHEPTVGH-FRDGDMWAVKFE-HGSASYACRFTTINRFVDEOROLGRPVFKAIIGELHGHT-G	222
AtNCED4	NGEFVRAAGHNPFDAGAVGHNFDGDMWAVKRIK-DGKATYVSRVMTSRKQEEFFGAAKPKK-IGDLKGFF-G	147
AtNCED5	KOYIYANGNAPHEPTVGH-FRDGDMWAVTSGFQDQNSYSCTTINRLWKEALGSVFRPPIGELHG-G	201
AtNCED1	IARLMFYPYARGLCLINNONGAAGWVFNH-----AMSEEDIPYDOLKETOTGLOLTHRYDRDGOLKSAMIAH	280
AtNCED2	VARGALTAARVLTGCOYNPVNGIGANISLAPPNSRFLALGEGDIPYAVRLLTESGOLTHRYDRDGKLMAMIAH	287
AtNCED3	IARLMFYPYARAAGCIVDPAHIGAAGWVFNH-----AMSEEDIPYDOLTPNGOLKNTGRFDRDGOLESTMIAH	297
AtNCED4	LLMVNTQDQURITKICLIDNTYNGAANTALWVHNGI-----ALOENEPYJXVLEDDGOLTHGDDWIKRETHSFTIAH	222
AtNCED5	LARLAETFTARAGIGLVDGTRQAGWVFNH-----AMSEEDIPYDVKDGGDLTGRFGRDQIDSSVIAH	276
AtNCED1	PKIDPVTKELHALSYDWKNPMLKYFRFSPLDG/KSPELEHT-PLETPIMHDFAITENFWIPIPDD00WFKLGEM-	352
AtNCED2	PKIDPVTKELHALSYDWKNPMLKYFRFSPLDG/KSPELEHT-SMTSPFLNDFAITKRNHAIAETQOLGMRMMNLDL	361
AtNCED3	PKIDPVTKELHALSYDWKNPMLKYFRFSPLDG/KSPELEHT-QDOPIMHDFAITENFWIPIPDD00WFKLPEM-	369
AtNCED4	PKIDPVTKELHALSYDWKNPMLKYFRFSPLDG/KSPELEHT-TISEPIMHDFAITETYAIIPMPLPMHFRPKEM-	293
AtNCED5	PKIDPVTKELHALSYDWKNPMLKYFRFSPLDG/KSPELEHT-TLPBPTMHDFAITENFWIPIPDD00WFKLSEM-	348
AtNCED1	ISGKSPV-VFDGEKVSRLGMPKDATEASQDIN/NSPTEFCRHLWNAMESPETEE--IV--VIGSCMSPADSI	420
AtNCED2	VLEGGSPVGTNDGKTHRLW/PIPKYAGDESEWKFEMPGFNIIWNAMESPEDQNS--W--LIAPNIMSIHT	430
AtNCED3	IRGGSPV-VYDKNGK/AREGELDKYAEDESSNINMIDAPDCFCRHLWNAMESPETDE--W--VIGSCMTPPSI	437
AtNCED4	VIKEKMIYSFDPITKAKRQWLPYRAKDELMRPFLPNCFTHWNAMESEDE--WLIITCRLENPDLDMSGK	365
AtNCED5	IRGGSPV-IVKEMKARQWLPYKSKQDITGSDIN/MPDCFCRHLWNAMESPETEEGDPVIV--VIGSCMSPPDTI	419
AtNCED1	FNERDESLRSVLESEIRINLRTTCTTRRSLLV--NEDVNLEIOW-NRNRLLGRKTRFAFLAAYPWFK/SGFAKVD	492
AtNCED2	L-TMDVLHALVEKVKIDLVIGVRRHPISA----RNLDFAV-NAFLGRCSRYVAAIGDPMKIKSGVLD	498
AtNCED3	ANEDENLKSVLESEIRINLRTTCTTRRSLLV-NEDVNLEIOW-NRNRLLGRKTRFAFLAAYPWFK/SGFAKVD	511
AtNCED4	VKEKLENFGNELYEMRFNMKTGSASQKLSASAVDFPRINECYGKORYVYGTILDSTIAKVTGDLHAEAE	440
AtNCED5	FSESEGPTRWLESEIRINLRTKESNRKVIVT----GVNLEAGH-NRSVGRKSQFVYIAJADPWFKCSGIAKVD	489
AtNCED1	LCTGEMKKIYIGGEKYG-G-EPFFLPGN--SGNGEENEDGTYFCHVDEETKTSOLODINAVNLKLE-ATIK	560
AtNCED2	VSKQDODCTVARRMYGSGLYGEPPFVARDPGNPEAEEDDGWVWVWDEVTGSKFLWMDAKSPELEMAVR	573
AtNCED3	LTGGEVKHHLYGDNRYG-G-EPLFLPGE--GGEDE--GYELCRVDEETKTSOLODINAVNLKLE-ATIK	575
AtNCED4	TGKRMLEVGGNIKGLYDUG-EGRYGSEALYVPRETAEEDDGYLIIFM-DENFGKSCVTVDAKTMASAPVVAWE	513
AtNCED5	IQNTGVSEFNYGPSRPG-G-EPCPVPEG--EGEEDK-GYMGRADEEKBSEFWMDADMKQV-AAVR	553
AtNCED1	LPRVVPYGFHGT/DSNELVQDOL--	583
AtNCED2	LPRVVPYGFHGLPIAKSOLNKL---	595
AtNCED3	LPRVVPYGFHGT/EGADELAKO-W	599
AtNCED4	LPRVVPYGFHGLFTEBLOZOTLI	538
AtNCED5	LPRVVPYGFHGT/ESNOLKEQ-VF	577

Figure 11

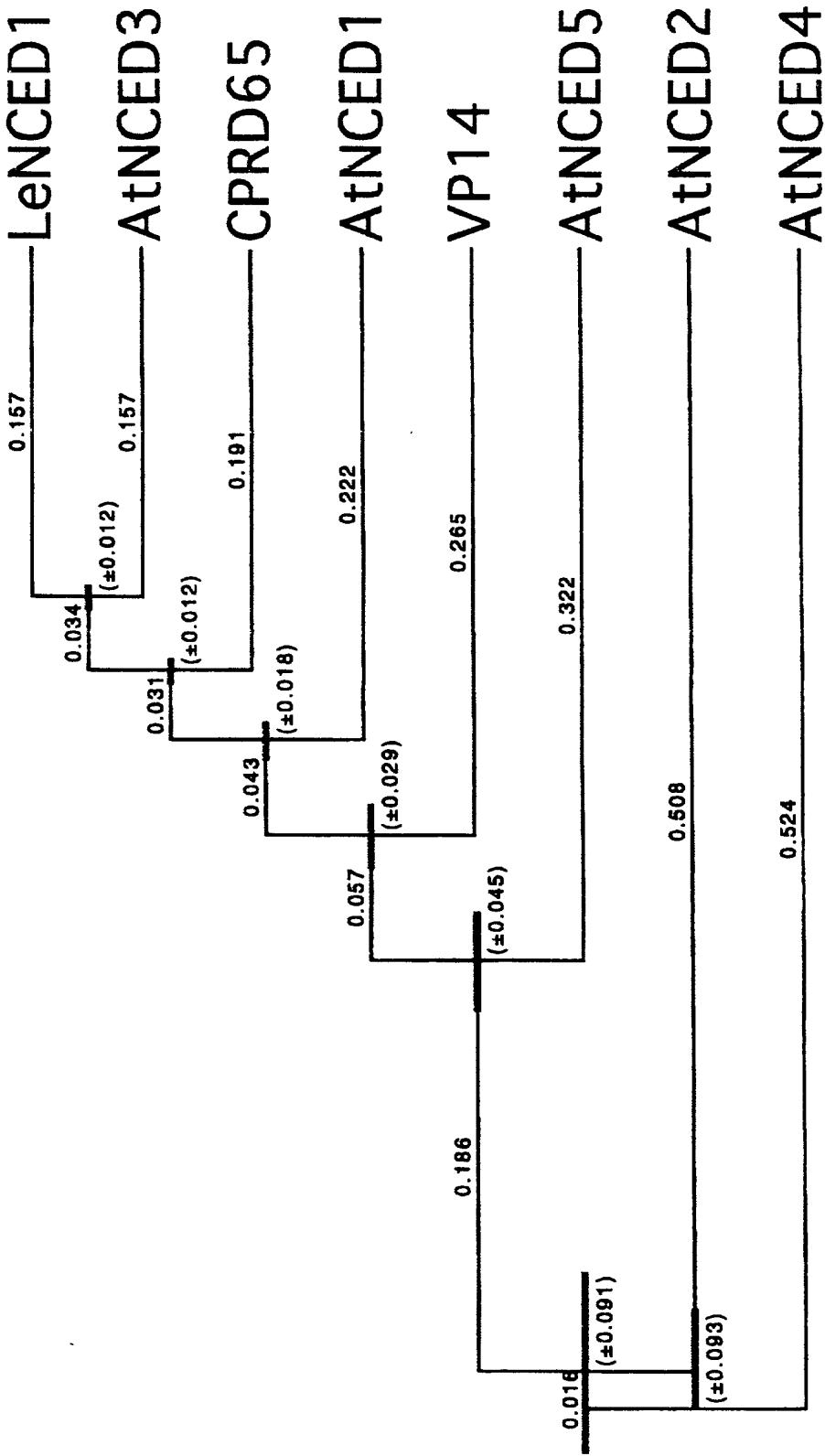


Figure 12

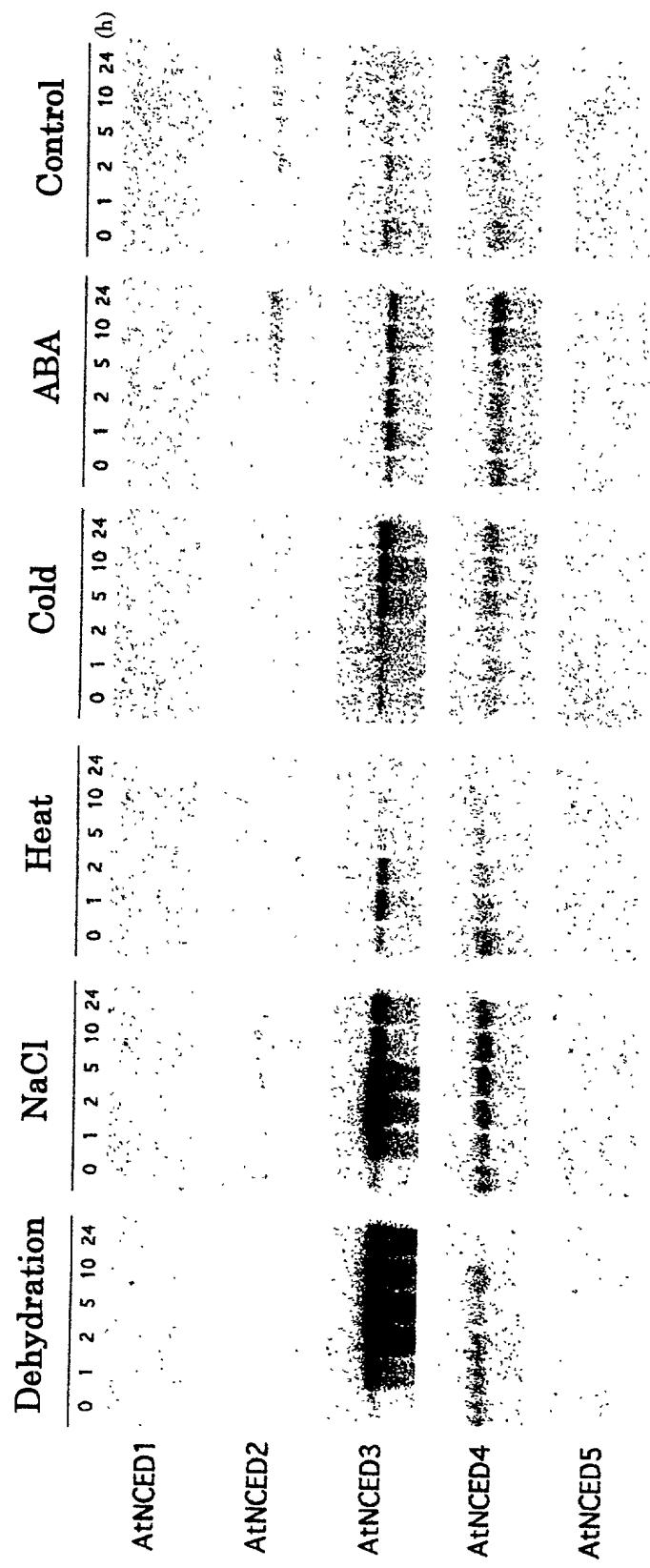


Figure 13

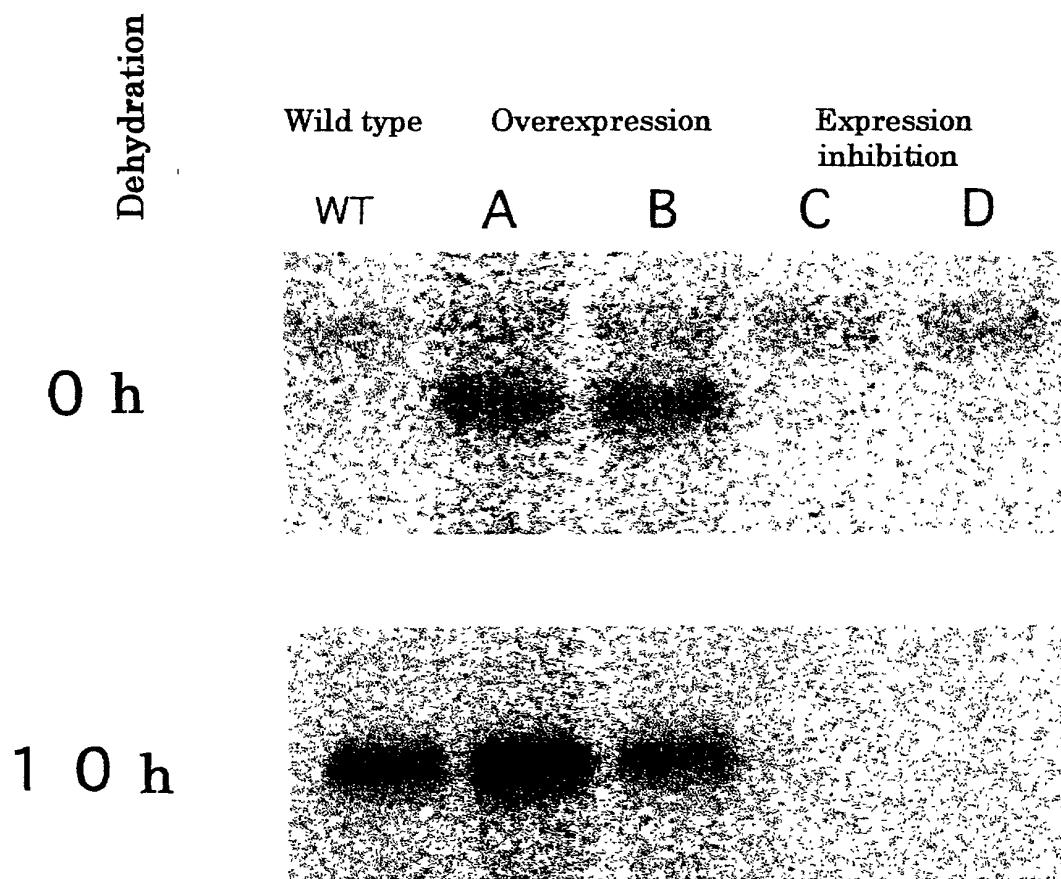


Figure 14

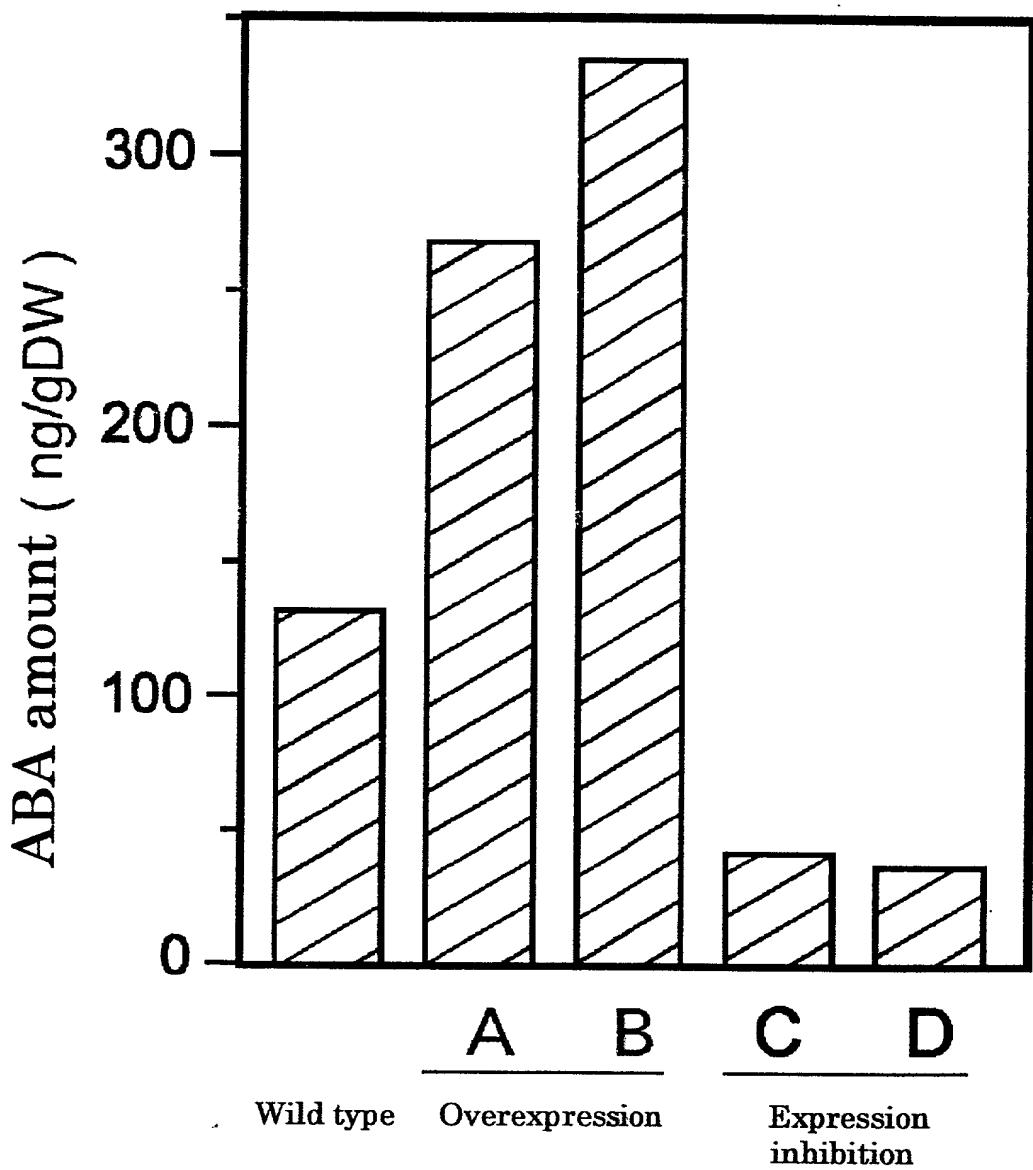
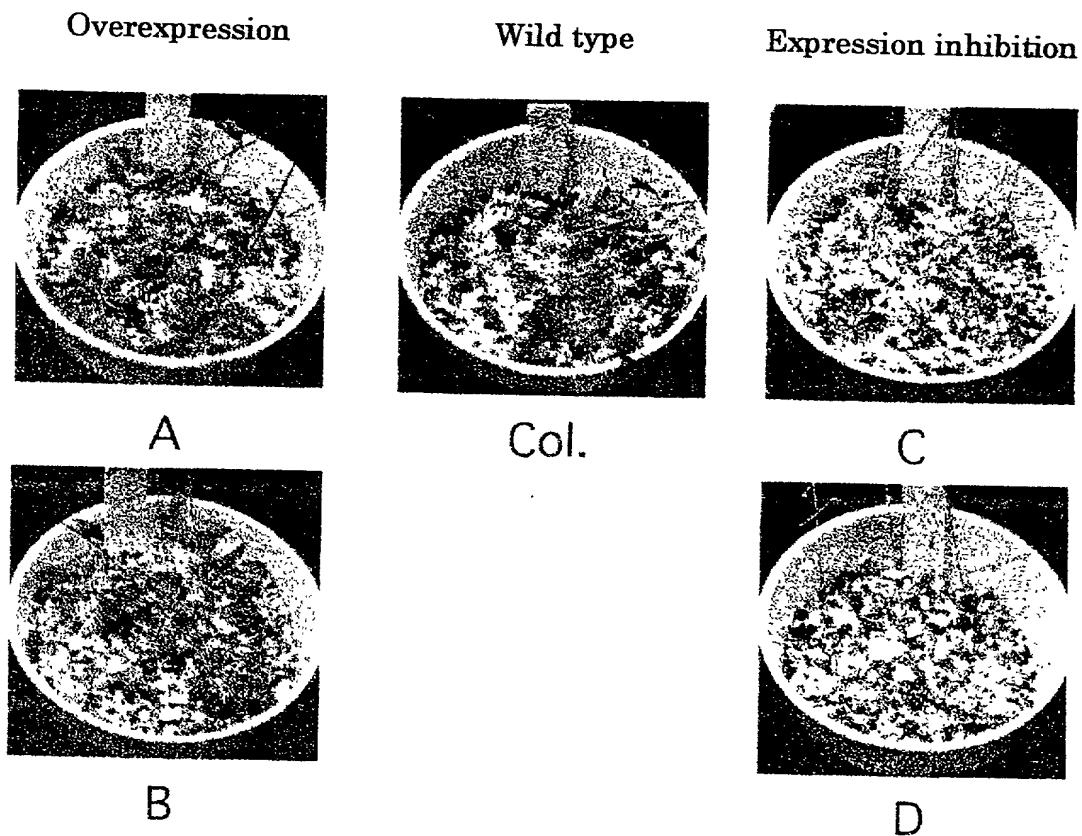


Figure 15



Water content of plants  
14 days after tolerance evaluation

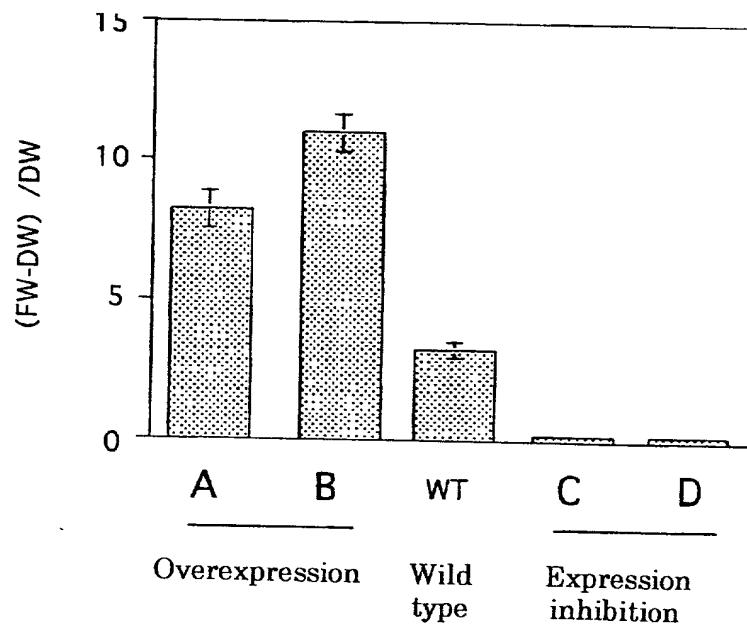
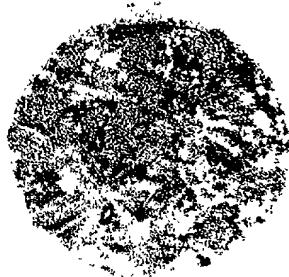


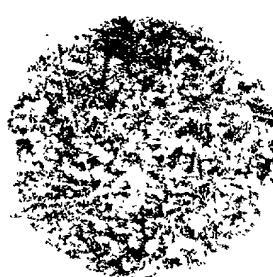
Figure 16

Overexpression



A

Wild type



Col.

Expression  
inhibition

C



B



D